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DATE MAILED: 05/16/2008

NOTICE OF ALLOWANCE AND FEE(S) DUE

22886 7590 05/16/2008
AFFYMETRIX, INC
ATTN: CHIEF IP COUNSEL LEGAL DEPT

ATTN: CHIEF IP COUNSEL, LEGAL DEPT. 3420 CENTRAL EXPRESSWAY SANTA CLARA, CA 95051 EXAMINER
SMITH, CAROLYN L

ART UNIT PAPER NUMBER
1631

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/712,616	11/12/2003	Jing Huang	3533.1	2187	
TITLE OF INVENTION: METHODS FOR IDENTIFYING DNA COPY NUMBER CHANGES					

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	08/18/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION NOT THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT AGANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FFE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

appropriate. All further indicated unless corrects maintenance fee notifica	correspondence includired below or directed oth	ng the Patent, advance on herwise in Block 1, by (a	rders and notification of r a) specifying a new corre	naintenance fees wil spondence address; a	Il be mailed to the curr and/or (b) indicating a	ent correspondence address as separate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)			Not Fee pap	e: A certificate of m s) Transmittal. This ers. Each additional its own certificate of	nailing can only be used certificate cannot be use paper, such as an assign of mailing or transmission	d for domestic mailings of the ed for any other accompanying nment or formal drawing, must on.
3420 CENTRAI	P COUNSEL, LEG LEXPRESSWAY		I be	Certi	ficate of Mailing or Transmittal is be	
SANTA CLARA	A, CA 95051		<u> </u>			(Depositor's name)
			<u> </u>			(Signature)
			L			(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTORNEY DOCKET NO	CONFIRMATION NO.
10/712,616 TITLE OF INVENTION	1 I/12/2003 : METHODS FOR IDE!	NTIFYING DNA COPY I	Jing Huang NUMBER CHANGES		3533.1	2187
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nonprovisional	NO	\$1440	\$300	\$0	\$1740	08/18/2008
EXAM	INED	ART UNIT	CLASS-SUBCLASS	1		
SMITH, CA		1631	702-019000	J		
 Change of correspondence address or indication of "Fee Address" (37 CFR I.363). Change of correspondence address (or Change of Correspondence Address form PTOSBI 223 attached. Fee Address' indication of "Fee Address" Indication form PTOSBI 47: Rev 03-02 or more recent) attached. Use of a Customer Number is required. 		(I) the names of up to or agents OR, alternati (2) the name of a singl registered attorney or 2 registered patent atto listed, no name will be	ame of a single firm (having as a member a d attorney or agent) and the names of up to d potent attorneys or agents. If no name is aname will be printed.			
PLEASE NOTE: Uni recordation as set fort (A) NAME OF ASSI	less an assignee is ident h in 37 CFR 3.11. Comp 3NEE		(B) RESIDENCE: (CITY	atent. If an assigned assignment. and STATE OR CO	OUNTRY)	e document has been filed for
4a. The following fee(s) Issue Fee Publication Fee (N	o small entity discount p		b. Payment of Fee(s): (Plea A check is enclosed. Payment by credit car The Director is hereby overpayment, to Depo	d. Form PTO-2038	is attached.	fee shown above) y deficiency, or credit any se an extra copy of this form).
	s SMALL ENTITY state	is. See 37 CFR 1.27.	☐ b. Applicant is no lon			
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req records of the United Sta	uired) will not be accepted tes Patent and Trademark	d from anyone other than t Office.	he applicant; a regist	ered attorney or agent; o	or the assignee or other party in
Authorized Signature				Date		
Typed or printed name			Registration No			
This collection of inform an application. Confiden submitting the complete this form and/or suggests Box 1450, Alexandria, V Alexandria, Virginia 223	ation is required by 37 C tiality is governed by 35 d application form to the ons for reducing this but firginia 22313-1450. DC 13-1450.	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the O NOT SEND FEES OR (on is required to obtain or in 1.14. This collection is established depending upon the indiversity of the complete of the comp	etain a benefit by the imated to take 12 m idual case. Any con er, U.S. Patent and T D THIS ADDRESS.	e public which is to file to inutes to complete, inclu- ments on the amount of rademark Office, U.S. I SEND TO: Commission	(and by the USPTO to process) uting gathering, preparing, and f time you require to complete Department of Commerce, P.O. ner for Patents, P.O. Box 1450,

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Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 383 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 383 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)	
10/712,616	HUANG ET AL.	
Examiner	Art Unit	
Carolyn I Smith	1631	

The MAILING DATE of this communication appears on the All claims being allowable, PROSECUTION ON THE MERITS IS (OR RECHerewith (or previously mailed), a Notice of Allowance (PTOL-85) or other. NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. 1 of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPI.	MAINS) CLOSED in this application. If not included appropriate communication will be mailed in due course. THIS This application is subject to withdrawal from issue at the initia
 This communication is responsive to <u>3/13/08</u>. 	
2. The allowed claim(s) is/are <u>1-7,10,12-19,21,22,26,27 and 29-31</u> .	
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have been ree 2. ☐ Certified copies of the priority documents have been ree 3. ☐ Copies of the certified copies of the priority documents International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of this conted below. Failure to timely comply will result in ABANDONMENT of the content of the	belived. Serived in Application No have been received in this national stage application from the minuments of the properties o
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Not INFORMAL PATENT APPLICATION (PTO-152) which gives reason	
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be subrition (a) ☐ including changes required by the Notice of Draftsperson's Pate 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ☐ (b) ☐ including changes required by the attached Examiner's Amendri Paper No./Mail Date ☐ identifying inclicia such as the application number (see 37 CFR 1.84(c)) sheach sheet. Replacement sheet(s) should be labeled as such in the header of the control of the control of Bit attached Examiner's comment regarding REQUIREMENT FOR THE	ant Drawing Review (PTO-948) attached ment / Comment or in the Office action of build be written on the drawings in the front (not the back) of according to 37 CFR 1.121(d). DLOGICAL MATERIAL must be submitted. Note the
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. Notice of Informal Patent Application 6. Interview Summary (PTO-413), Paper No/Mall Date 7. Examiner's Amendment/Comment 8. Examiner's Statement of Reasons for Allowance 9. Other

/Carolyn L Smith/ Primary Examiner, Art Unit 1631 May 13, 2008

Art Unit: 1631

DETAILED ACTION

APPLICANTS' ARGUMENTS

Amended claims 26 and 30, filed 3/13/08, are acknowledged. Applicants' arguments and amendments, filed 3/13/08, have been fully considered and are persuasive. The species election is hereby withdrawn. All of the previous rejections and objections have been withdrawn.

The drawings, filed 11/12/03, are accepted by the Examiner.

REASONS FOR ALLOWANCE:

The following is an examiner's statement of reasons for allowance:

The invention is directed to a method and computer software product for estimating the copy number of a genomic region in an experimental sample. The prior art does not disclose the method and computer software product as they are claimed in the instant invention. The 35 USC 101 rejection, mailed 12/13/07, was removed due to claim amendments, filed 3/13/08, that add a limitation reciting a concrete, tangible, and useful result. Because no outstanding rejections remain, the claimed invention is deemed allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance"

Art Unit: 1631

EXAMINER INFORMATION

Papers related to this application may be submitted to Technical Center 1600 by facsimile

transmission. Papers should be faxed to Technical Center 1600 via the PTO Fax Center. The

faxing of such papers must conform with the notices published in the Official Gazette, 1096 OG

30 (November 15, 1988), 1156 OG 61 (November 16, 1993), and 1157 OG 94 (December 28,

1993) (See 37 CFR \$1.6(d)). The Central Fax Center number for official correspondence is

(571) 273-8300.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Carolyn Smith, whose telephone number is (571) 272-0721. The

examiner can normally be reached Monday through Thursday from 8 A.M. to 6:30 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Marjorie Moran, can be reached on (571) 272-0720.

May 13, 2008

/Carolyn Smith/ Primary Examiner AU 1631